CLAIMS

1. A gantry of an X-ray computer tomography apparatus comprising:

a base;

main posts vertically mounted on the base;

a ring frame tiltably supported by the two main posts;

a rotation ring rotatably supported by the ring frame;

an X-ray tube mounted on the rotation ring;

an X-ray detector mounted on the rotation ring, opposing to the X-ray tube; and

props abutting on the main posts obliquely to reinforce the main posts.

2. A gantry according to claim 1, wherein the props are arranged between the two main posts.

3. A gantry according to claim 2, wherein the base comprises outside frames, inside frames and cross bars provided inside the frame, the props being connected between the cross bars and the main posts.

4. A gantry according to claim 1, wherein each of the main posts is provided with one prop.

5. A gantry according to claim 4, wherein the props are mounted on a central portion of the base.

6. A gantry according to claim 1, wherein each of the main posts is provided with two props.

7. A gantry according to claim 6, wherein the two

props are arranged to form an inverted V shape inward from the main post.

8. A gantry according to claim 7, wherein the two props form an angle of 90° around the main post.

9. A gantry according to claim 1, wherein each of the props abuts on the main post at a height at least two thirds of the main post.

10. A gantry according to claim 1, wherein each of the props is fixed to the base at an angle of at least 45°.

11. A gantry according to claim 1, further comprising sub-props abutting on the main posts obliquely, the sub-props being perpendicular to the props.

12. A gantry according to claim 11, wherein the sub-props are shorter than the props.

13. A gantry according to claim 11, wherein each of the main posts is provided with two sub-props.

14. A gantry according to claim 13, wherein the two sub-props are arranged at an angle of 180° around the main post.

15. A gantry according to claim 1, further comprising electric members including a power source unit for generating drive power to rotate the rotation ring and tilt the ring frame, a scan control unit for controlling a rotating operation of the rotation ring and a detecting operation of the X-ray detector, and

a transmission unit for externally outputting a signal detected by the X-ray detector, the electric members being arranged in spaces defined by the base, the main posts and the props.

16. A gantry of an X-ray computer tomography apparatus comprising:

a base;

main posts vertically mounted on the base;

a ring frame tiltably supported by the main posts;

a rotation ring rotatably supported by the ring frame;

an X-ray tube mounted on the rotation ring;

an X-ray detector mounted on the rotation ring, opposing to the X-ray tube; and

reinforce members for reinforcing the main posts.

17. A gantry of an X-ray computer tomography apparatus comprising:

a base;

main posts vertically mounted on the base;

a ring frame tiltably supported by the main posts;

a rotation ring rotatably supported by the ring frame;

an X-ray tube mounted on the rotation ring;

an X-ray detector mounted on the rotation ring, opposing to the X-ray tube; and

triangle blocks for reinforcing the main posts.